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RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/527,101A
Source: PC
Date Processed by STIC: 4/28/06

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PCT

RAW SEQUENCE LISTING

DATE: 04/28/2006

PATENT APPLICATION: US/10/527,101A

TIME: 09:47:42

Input Set : A:\Sequence Listing P1978R1.txt

Output Set: N:\CRF4\04282006\J527101A.raw

3 <110> APPLICANT: SARAH C. BODARY
 4 HILARY CLARK
 5 JANET K. JACKMAN
 6 JILL R. SCHOENFELD
 7 WILLIAM I. WOOD
 8 THOMAS D. WU
 10 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF PSORIASIS
 12 <130> FILE REFERENCE: P1978R1-US
 14 <140> CURRENT APPLICATION NUMBER: US 10/527,101A
 C--> 15 <141> CURRENT FILING DATE: 2005-12-27
 17 <150> PRIOR APPLICATION NUMBER: PCT/US03/28362
 18 <151> PRIOR FILING DATE: 2005-09-10
 20 <150> PRIOR APPLICATION NUMBER: US 60/410,242
 21 <151> PRIOR FILING DATE: 2002-09-11
 23 <160> NUMBER OF SEQ ID NOS: 42
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 732
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Homo sapiens
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 33 tgatggcttc atacatcgga tagttcccaa gttgatacaa aactggaaga 100
 35 ttggccttat gtgcttcctg agtattattt ttactacagt ttgcattatt 150
 37 atgatagcca catggccaa gcatgctaaa cctgtggcat gttcagggga 200
 39 ctggcttggaa gtgagagata agtgtttcta ttttctgtat gataccagaa 250
 41 attggacagc cagtaaaaata ttttgttagtt tgcaagaaagc agaacttgct 300
 43 cagattgata cacaagaaga catggaaattt ttgaagaggt acgcaggaac 350
 45 tggatatgcac tggatggac taagcagggaa acaaggagat tcttggaaat 400
 47 ggacaaatgg caccacattc aatggttggc catcaaactc caaatggct 450
 49 tgcaactgga gcctccgaca atggcttctt ctgctggac cccttagata 500
 51 ggcctctgag ggagctctga ctgccgttc cccaaaacaa tgtccccgt 550
 53 cagcaggaag cagttaaatc agtcttcattt cttatcctt atataacggc 600
 55 agtttagatgt acttctttag agggagtaaa tttatcaatt cagagcaatt 650
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 59 ataatgtaga ataaactaca gaaaacttct tg 732
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 62 <211> LENGTH: 160
 63 <212> TYPE: PRT
 64 <213> ORGANISM: Homo sapiens
 66 <400> SEQUENCE: 2
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 68 1 5 10 15
 70 His Arg Ile Val Pro Lys Leu Ile Gln Asn Trp Lys Ile Gly Leu

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71	20	25	30
73	Met Cys Phe Leu Ser Ile Ile Ile Thr Thr Val Cys Ile Ile Met		
74	35	40	45
76	Ile Ala Thr Trp Ser Lys His Ala Lys Pro Val Ala Cys Ser Gly		
77	50	55	60
79	Asp Trp Leu Gly Val Arg Asp Lys Cys Phe Tyr Phe Ser Asp Asp		
80	65	70	75
82	Thr Arg Asn Trp Thr Ala Ser Lys Ile Phe Cys Ser Leu Gln Lys		
83	80	85	90
85	Ala Glu Leu Ala Gln Ile Asp Thr Gln Glu Asp Met Glu Phe Leu		
86	95	100	105
88	Lys Arg Tyr Ala Gly Thr Asp Met His Trp Ile Gly Leu Ser Arg		
89	110	115	120
91	Lys Gln Gly Asp Ser Trp Lys Trp Thr Asn Gly Thr Thr Phe Asn		
92	125	130	135
94	Gly Trp Pro Ser Asn Ser Lys Trp Ser Cys Asn Trp Ser Leu Arg		
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110	ttttcttctt acacagtgtc tgagaacatt tacattatag ataagttagta 150		
112	catgggttat aacttctact tttaggagga ctactctctt ctgacagtcc 200		
114	tagactggtc ttctacacta agacaccatg aaggagtatg tgctcctatt 250		
116	attcctggct ttgtgtcttg ccaaaccctt ctttagccct tcacacatcg 300		
118	cactgaagaa tatgtatgtc aaggatatgg aagacacaga tggatgtat 350		
120	gatgtatgt atgtatgtga tggatgtatgt gatgaggaca actctctttt 400		
122	tccaacaaga gagccaagaa gcccattttt tccattttat ctgtttccaa 450		
124	tgtgtccatt tggatgtcag tgcttattcac gagttgtaca ttgttcagat 500		
126	ttaggttgc cctcagtccc aaccaacatt ccatttgata ctcgaatgct 550		
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130	gactcacttc actttatggt ctgatcctga acaacaacaa gctaacgaag 650		
132	attcacccaa aagccttct aaccacaaag aagttgcgaa ggctgtatct 700		
134	gtcccccaaat caactaagtg aaataccact taatcttccc aaatcattag 750		
136	cagaactcag aattcatgaa aataaagttt agaaaataca aaaggacaca 800		
138	ttcaaaggaa tgaatgtttt acacgtttt gaaatgtatgtg caaaccctct 850		
140	tgataataat gggatagac cagggggcatt tgaagggggtg acgggtttcc 900		
142	atatcagaat tgcagaagca aaactgaccc cagttcctaa aggcttacca 950		
144	ccaaactttat tggagcttca cttagattat aataaaattt caacagtgg 1000		
146	acttgaggat tttaaacat acaaagaact acaaaggctg ggcctaggaa 1050		
148	acaacaaaat cacagatatc gaaaatggg gtcttgctaa cataccacgt 1100		
150	gtgagagaaa tacatggaa aaacaataaa ctaaaaaaaaaa tcccttcagg 1150		
152	attaccagag ttgaaatacc tccagataat ctcccttcata tctaattcaa 1200		
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156 aaatctttat acagtgcata aagtttattc aacaacccgg tgaaatactg 1300
 158 ggaaatgc当地 cctgc当地 acat tt当地 gttgt tttgaggaga atgagttc 1350
 160 agcttgg当地 aa ctttgg当地 aataattag taattggtaa tgtccat当地 1400
 162 atataagatt caaaaatccc tacatttgg当地 atacattgaac tctattaata 1450
 164 atggtagtat tatatac当地 agcaaatac当地 tattctcaag tggt当地 agtcc 1500
 166 actgactt当地 tt当地 tggac当地 gaaatttcaa cggaattt当地 ccaaactatt 1550
 168 gatacataag gggtgagaga aacaagcatc tattgc当地 gttt当地 tc当地 1600
 170 tacaaatgat ct当地 acataaaa tctcatgctt gaccattcct tt当地 tc当地 1650
 172 caaaaaagta agatattcg当地 tatttaacac tttgtt当地 tca agcacat当地 1700
 174 aaaaagagct gtactgtaaa tggatgctt gacttagcaa aattt当地 gt当地 1750
 176 ct当地 tcat当地 tt当地 ctgtagaaa aacagaatta acaaagacag taatgtgaa 1800
 178 agtgc当地 atttctt当地 tt当地 tt当地 tagtaa gcttggtag tactgtaata 1850
 180 tt当地 tt当地 atca tcttaaagta tgattt当地 gata taatctt当地 tttt当地 1900
 182 tatcatgtct tagagccctg当地 ct当地 tt当地 gt当地 aaaactaatt tctt当地 1950
 184 aagc当地 tt当地 cag taaatgttca tt当地 accaattt gataaatgct actc当地 2000
 186 gctgg当地 tt当地 ggctatagca tatgctt当地 tt当地 tt当地 tattacctg 2050
 188 tt当地 aaaatc tctgtaaaaaa cgtgtagtgtt tt当地 cattaaaat ctgtaactcg 2100
 190 catttaatg atccgctt当地 ataagctt当地 aatagcatgaa aattt当地 gt当地 2150
 192 gctatataac attgccc当地 actt当地 caactctt当地 aatattttt gagatatccc 2200
 194 tt当地 ggaaagac ct当地 tgctt当地 ggaa agagcctt当地 gactt当地 cactaacaat tctacaccaa 2250
 196 attgtctctt caaatac当地 gta tggactggtt aactctgaga aacacatcta 2300
 198 gtataactgataa ataaaggc当地 gag catcaaatta aacagacaga aaccgaaagc 2350
 200 tctatataaa tgctc当地 agt tctt当地 tattt当地 gctt当地 tattt当地 gcattcaaca 2400
 202 tatgtaaaaat cagaaaacag ggaaattt当地 tc当地 attaaaaataa ttggttt当地 gaa 2450
 204 aaaaaaaaaa aaaaaa 2466
 206 <210> SEQ ID NO: 4
 207 <211> LENGTH: 381
 208 <212> TYPE: PRT
 209 <213> ORGANISM: Homo sapiens
 211 <400> SEQUENCE: 4
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 215 Lys Pro Phe Phe Ser Pro Ser His Ile Ala Leu Lys Asn Met Met
 216 20 25 30
 218 Leu Lys Asp Met Glu Asp Thr Asp Asp Asp Asp Asp Asp Asp Asp
 219 35 40 45
 221 Asp Asp Asp Asp Asp Asp Asp Glu Asp Asn Ser Leu Phe Pro Thr
 222 50 55 60
 224 Arg Glu Pro Arg Ser His Phe Phe Pro Phe Asp Leu Phe Pro Met
 225 65 70 75
 227 Cys Pro Phe Gly Cys Gln Cys Tyr Ser Arg Val Val His Cys Ser
 228 80 85 90
 230 Asp Leu Gly Leu Thr Ser Val Pro Thr Asn Ile Pro Phe Asp Thr
 231 95 100 105
 233 Arg Met Leu Asp Leu Gln Asn Asn Lys Ile Lys Glu Ile Lys Glu
 234 110 115 120
 236 Asn Asp Phe Lys Gly Leu Thr Ser Leu Tyr Gly Leu Ile Leu Asn
 237 125 130 135
 239 Asn Asn Lys Leu Thr Lys Ile His Pro Lys Ala Phe Leu Thr Thr

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242 Lys Lys Leu Arg Arg Leu Tyr Leu Ser His Asn Gln Leu Ser Glu
243          155          160          165
245 Ile Pro Leu Asn Leu Pro Lys Ser Leu Ala Glu Leu Arg Ile His
246          170          175          180
248 Glu Asn Lys Val Lys Lys Ile Gln Lys Asp Thr Phe Lys Gly Met
249          185          190          195
251 Asn Ala Leu His Val Leu Glu Met Ser Ala Asn Pro Leu Asp Asn
252          200          205          210
254 Asn Gly Ile Glu Pro Gly Ala Phe Glu Gly Val Thr Val Phe His
255          215          220          225
257 Ile Arg Ile Ala Glu Ala Lys Leu Thr Ser Val Pro Lys Gly Leu
258          230          235          240
260 Pro Pro Thr Leu Leu Glu Leu His Leu Asp Tyr Asn Lys Ile Ser
261          245          250          255
263 Thr Val Glu Leu Glu Asp Phe Lys Arg Tyr Lys Glu Leu Gln Arg
264          260          265          270
266 Leu Gly Leu Gly Asn Asn Lys Ile Thr Asp Ile Glu Asn Gly Ser
267          275          280          285
269 Leu Ala Asn Ile Pro Arg Val Arg Glu Ile His Leu Glu Asn Asn
270          290          295          300
272 Lys Leu Lys Lys Ile Pro Ser Gly Leu Pro Glu Leu Lys Tyr Leu
273          305          310          315
275 Gln Ile Ile Phe Leu His Ser Asn Ser Ile Ala Arg Val Gly Val
276          320          325          330
278 Asn Asp Phe Cys Pro Thr Val Pro Lys Met Lys Lys Ser Leu Tyr
279          335          340          345
281 Ser Ala Ile Ser Leu Phe Asn Asn Pro Val Lys Tyr Trp Glu Met
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291 <211> LENGTH: 1082
292 <212> TYPE: DNA
293 <213> ORGANISM: Homo sapiens
295 <400> SEQUENCE: 5
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298 ctgtttgggc taacaggatc tcctcttgca gtctgcagcc caggacgctg 100
300 attccagcag cgcccttaccg cgccagccccga agattcacta tggtaaaaat 150
302 cgcccttcaat accccttaccg ccgtgcaaaaa ggaggaggcg cggcaagacg 200
304 tggaggccct cctgagccgc acggtcagaa ctcagatact gaccggcaag 250
306 gagctccgag ttgcccaccca ggaaaaagag ggccctctg ggagatgtat 300
308 gcttactctc ttaggcctt cattcatctt ggcaggactt attgttggtg 350
310 gagcctgcat ttacaagtac ttcatgccca agagcaccat ttaccgtgga 400
312 gagatgtgct ttttgattc tgaggatcct gcaaattccc ttctgtggagg 450
314 agagcctaac ttccctgcctg tgactgagga ggctgacatt cgtgaggatg 500
316 acaacattgc aatcattgat gtgcctgtcc ccagttctc tgatagtgac 550

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 PATENT APPLICATION: US/10/527,101A TIME: 09:47:42

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318 cctgcagcaa ttattcatga ctttgaaaag ggaatgactg cttacctgga 600
320 cttgttgcg gggactgct atctgatgcc cctcaatact tctattgtta 650
322 tgccctccaaa aaatctggta gagctcttg gcaaactggc gagtggcaga 700
324 tatctgcctc aaacttatgt ggttcgagaa gaccttagtt ctgtggagga 750
326 aattcgtgat gttagtaacc ttggcatctt tatttaccaa ctttgcataa 800
328 acagaaagtcc ttccgcctt cgtcgcagag acctcttgct gggttcaac 850
330 aaacgtgcca ttgataaatg ctggaaaggatt agacacttcc ccaacgaatt 900
332 tattgtttag accaagatct gtcaagagta agaggcaaca gatagagtgt 950
334 ccttggtaat aagaagttag agatttacaa tatgacttta acattaaggt 1000
336 ttatggata ctcaagatat ttactcatgc atttactcta ttgcttatgc 1050
338 cgtaaaaaaaaaaaaaaaaaaaaaa aa 1082
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341 <211> LENGTH: 263
342 <212> TYPE: PRT
343 <213> ORGANISM: Homo sapiens
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350 20 25 30
352 Thr Gln Ile Leu Thr Gly Lys Glu Leu Arg Val Ala Thr Gln Glu
353 35 40 45
355 Lys Glu Gly Ser Ser Gly Arg Cys Met Leu Thr Leu Leu Gly Leu
356 50 55 60
358 Ser Phe Ile Leu Ala Gly Leu Ile Val Gly Gly Ala Cys Ile Tyr
359 65 70 75
361 Lys Tyr Phe Met Pro Lys Ser Thr Ile Tyr Arg Gly Glu Met Cys
362 80 85 90
364 Phe Phe Asp Ser Glu Asp Pro Ala Asn Ser Leu Arg Gly Glu
365 95 100 105
367 Pro Asn Phe Leu Pro Val Thr Glu Glu Ala Asp Ile Arg Glu Asp
368 110 115 120
370 Asp Asn Ile Ala Ile Ile Asp Val Pro Val Pro Ser Phe Ser Asp
371 125 130 135
373 Ser Asp Pro Ala Ala Ile Ile His Asp Phe Glu Lys Gly Met Thr
374 140 145 150
376 Ala Tyr Leu Asp Leu Leu Leu Gly Asn Cys Tyr Leu Met Pro Leu
377 155 160 165
379 Asn Thr Ser Ile Val Met Pro Pro Lys Asn Leu Val Glu Leu Phe
380 170 175 180
382 Gly Lys Leu Ala Ser Gly Arg Tyr Leu Pro Gln Thr Tyr Val Val
383 185 190 195
385 Arg Glu Asp Leu Val Ala Val Glu Glu Ile Arg Asp Val Ser Asn
386 200 205 210
388 Leu Gly Ile Phe Ile Tyr Gln Leu Cys Asn Asn Arg Lys Ser Phe
389 215 220 225
391 Arg Leu Arg Arg Arg Asp Leu Leu Leu Gly Phe Asn Lys Arg Ala
392 230 235 240
394 Ile Asp Lys Cys Trp Lys Ile Arg His Phe Pro Asn Glu Phe Ile

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VERIFICATION SUMMARY DATE: 04/28/2006
PATENT APPLICATION: US/10/527,101A TIME: 09:47:43

Input Set : A:\Sequence Listing P1978R1.txt
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L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date